

Special Issue

Advances in Multicomponent Catalytic Materials

Message from the Guest Editor

Multicomponent catalysts are promising catalytic materials that combine multiple elements, phases, or microstructures. Notably, recent developments in the synthetic methodologies of multicomponent nanomaterials, such as phase-separated heterostructures and high-entropy alloys, have enabled tremendous new combinations as well as new possibilities, which have led to an outbreak in the study of multicomponent nanocatalysts. In this Special Issue, we will bring together the latest advances related to multicomponent catalytic materials. The topics include, but are not limited to, the design, synthesis, characterization, and modeling of multicomponent materials and their applications in thermal catalysis, electrocatalysis, photocatalysis, and other catalytic processes. Original research articles and communications within the theme of this Special Issue are all welcome.

Guest Editor

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Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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